THRIE BEAM OR W-BEAM GUARDRAIL

END OF BRIDGE OR WALL

2 ~ 10' STEEL CONDUITS

JUNCTION BOX & PULL BOX (TYP.) NEMA 4X STAINLESS STEEL WITH BOLT-ON LID OR EQUAL. FOR SIZE & LOCATION, SEE JUNCTION BOX TABLE

CURB LINE

TS

LT

2'-0"

10'-0" MIN. TO 20'-0" MAX.

TS   LT

JUNCTION BOX SIZED PER ELECTRICAL PLANS. LABEL JUNCTION BOX LIDS AS SHOWN (TYP.)

CONDUIT DEFLECTION FITTING A WITH INTERNAL BONDING JUMPER. SEE DETAIL THIS SHEET

2 STEEL CONDUIT TO PVC ADAPTORS IN STATIONARY FORM BARRIER WHERE PVC PIPE INSTALLED IN BARRIER

TRAFFIC BARRIER ON STRUCTURE

CONDUIT EXPANSION FITTING (TYP. AT EXPANSION JOINT)

A

PLAN
TRAFFIC BARRIER

TYPICAL AT END OF MODIFIED TRAFFIC BARIER END SECTION WHERE THRIE BEAM END SECTION "DESIGN F" STD. PLAN C-7a OR GUARDRAIL END SECTION "DESIGN D OR F" STD PLAN C-5 IS USED

NOTE TO DESIGNERS

MODIFY THE FOLLOWING TO MATCH PROJECT REQUIREMENTS:
1. BARRIER END SECTION.
2. REMOVE GUARDRAIL IF NOT CONNECTED TO BRIDGE ITEM.
3. CONDUIT ALIGNMENT

℄ J-BOX & BARRIER PANEL   180'-0" MAX.   ℄ J-BOX & BARRIER PANEL   ℄ J-BOX & BARRIER PANEL

℄ J-BOX & BARRIER PANEL   180'-0" MAX.

8'-0" MIN. (L TYP.)

10'-0" STEEL CONDUIT SECTION BETWEEN CONDUIT DEFLECTION FITTING A AND PVC CONDUIT IN STATIONARY FORM BARRIER

STAINLESS STEEL COVER SCREWS (TYP.)

SECURE CONDUIT AND BOX TO REBAR TO PREVENT MOVEMENT

BUNDLE R1 #5, R2 #5 OR R9 #5 ADJACENT TO EACH END OF JUNCTION BOX (TYP.)

#4 x 3'-6" (TYP.)

L (TYP.)

TS   LT   TS   LT

BLOCKOUT FOR CONDUITS

CONDUIT DEFLECTION FITTING A

STEEL CONDUIT SECTION BETWEEN CONDUIT DEFLECTION FITTING A AND JUNCTION BOX

STEEL CONDUIT TO PVC ADAPTOR IN STATIONARY FORM BARRIER WHERE PVC PIPE INSTALLED IN BARRIER

2"ø CONDUIT PIPES OR SIZE CONDUIT PER WIRING SCHEDULE

ELEVATION
CONDUITS & J-BOX IN TRAFFIC BARRIER

LABEL JUNCTION BOX COVER IN ACCORDANCE WITH STANDARD SPECIFICATION 9-29.2(4) AND SPECIAL PROVISIONS. ADJACENT JUNCTION BOXES ARE SHOWN CENTERED BETWEEN ADJACENT DUMMY JOINTS. IF THE DISTANCE BETWEEN ADJACENT DUMMY JOINTS IS 16'-0" OR GREATER, PLACE ADJACENT JUNCTION BOXES SYMMETRICALLY ON EITHER SIDE OF THE CENTER OF ONE DUMMY PANEL WHILE MAINTAINING 8'-0" MINIMUM BETWEEN CENTER LINES OF THE JUNCTION BOXES.

¾" POLYSTYRENE FOAM. WRAP 1½ TIMES AROUND CONDUIT AND CONDUIT FITTING

START   END

SECTION B

3'-0" LONG EXPANDED POLYSTYRENE SLEEVE AROUND CONDUIT. DUCT TAPE SEAMS AND ENDS TO SEAL AND PREVENT CONCRETE FROM BONDING WITH FITTING AND CONDUIT

EXPANSION JOINT

CONDUIT EXPANSION FITTING

CONDUIT PIPE SIZED PER WIRING SCHEDULE

¾"

BONDING JUMPER

TIES ~ SPACE @ 2½" MAX.

1"   1"

½" PREMOLDED JOINT FILLER SEE STANDARD PLANS

CONCRETE   CONCRETE

1'-0"

1"   TIES @ 2½"   1"

¾"

B

CONDUIT PIPE

WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP

CONCRETE   SOIL

3" MIN., 6" MAX. (CONDUIT AND THREADS CAST OUTSIDE STRUCTURE)

CONDUIT DEFLECTION FITTING WITH INTERNAL BONDING JUMPER

CONDUIT PIPE

WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP

BUNDLE 2 R2 #5 OR 2 R9 #5 ADJACENT TO EACH END OF JUNCTION BOX (TYP.)

2 ~ STAINLESS STEEL MOUNTING TABS (TOP & BOT.)

JUNCTION BOX ~ 8" x 8" x 18" NEMA 4X IN STATIONARY FORM BARRIER, ADJUSTABLE NEMA 3R IN SLIP FORM BARRIER. JUNCTION BOX CAN BE RECESSED UP TO ⅛".

⅜"ø POLYETHYLENE OR COPPER PIPE DRAIN

2'-0"

CONDUIT DEFLECTION FITTING B

CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30º AND ¾" MOVEMENT. CONDUIT PIPES PLACED THROUGH RETAINING WALL TRAFFIC BARRIER SHALL BE FITTED WITH DEFLECTION FITTINGS AT A MAXIMUM SPACING OF 120'. THE DEFLECTION FITTINGS SHALL BE PLACED AT THE TRAFFIC BARRIER OPEN JOINT THAT COINCIDES WITH THE RETAINING WALL STEM EXPANSION JOINT NEAREST TO THE TRANSVERSE CONSTRUCTION JOINT IN THE WALL FOOTING.

CONDUIT EXPANSION FITTING

CONDUIT FITTING - (TYPE AX FOR MOVEMENT OF ± 2") AT BRIDGE EXPANSION JOINTS

CONDUIT DEFLECTION FITTING A

CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30º AND ¾" MOVEMENT. PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE

SECTION A